

## AMENDMENTS TO THE CLAIMS

### **1. (Currently Amended)** A constant velocity universal joint comprising:

an outer member which is provided with a spherical inner surface in which ~~a plurality of~~six track grooves are formed;

an inner member which is provided with a spherical outer surface in which ~~a plurality of~~six track grooves are formed;

six balls disposed in a respective wedge-shaped ball track-tracks which is formed by the synergy between the track groove-grooves of the outer member and the track groove-grooves of the inner member; and

a retainer disposed between the spherical inner surface of the outer member and the spherical outer surface of the inner member to hold the balls; and

an elastic member applying an elastic force in an axial direction between the inner member and the retainer to press the balls toward a narrower side of the wedge-shaped ball tracks;

~~wherein elastic pressure is applied in an axial direction so as to separate the inner member and the retainer, and~~ a ratio  $r1 (= PCD_{BALL}/D_{BALL})$  of a pitch circle diameter ( $PCD_{BALL}$ ) of the ball to a diameter ( $D_{BALL}$ ) of the ball is in a range of  $1.5 \leq r1 \leq 4.0$ , a ratio  $R1$  is defined by  $F/PCR$ , where  $F$  is an offset amount between the center of the track grooves of both the inner member and the outer member with respect to a center of the spherical inner surface and the spherical outer surface, and  $PCR$  is a length of a segment connecting the center of the inner track grooves with the outer track grooves and the center of the ball, and the ratio  $R1 (=F/PCR)$  is in a range of  $0.109 \leq R1 \leq 0.162$ .

**2. (Original)** A constant velocity universal joint according to claim 1, wherein a ratio  $r2 (= D_{OUTER}/PCD_{SERR})$  of an outside diameter ( $D_{OUTER}$ ) of the outer joint member to a pitch circle diameter ( $PCD_{SERR}$ ) of teeth of the inner member is in a range of  $3.0 \leq r2 \leq 5.0$ .

### **3. (Canceled)**

**4. (Original)** A constant velocity universal joint according to claim 1, wherein the number of the torque transmission balls is equal to or less than six, and a contact angle (  $\theta$  ) between the track and the ball is in a range of  $30^{\circ} \leq \theta \leq 40^{\circ}$  .

**5-6. (Canceled)**

**7. (Currently Amended)** A constant velocity universal joint for steering according to claim-~~5~~ 1, wherein lengths of a plurality of pockets corresponding to a plurality of the track grooves in a circumferential direction of a window are all equal.

**8-16. (Canceled)**